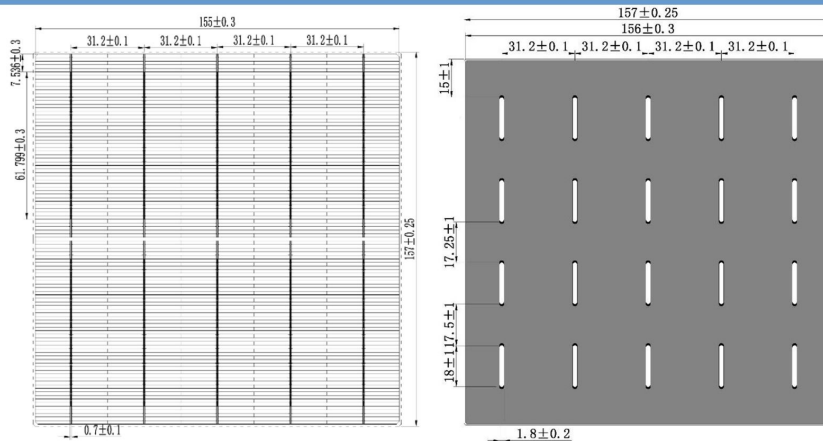


SpolarPV Technology Co., Ltd

SP Polycrystalline P1575PERC Solar Cell

Product Appearance



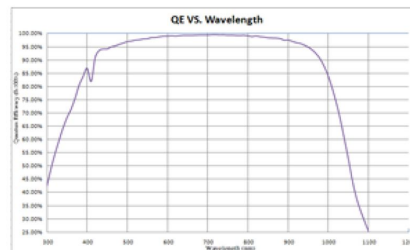
Mechanical Data and Design

Dimension	157mm*157mm±0.25mm
Thickness	200±3μm
Front	5*0.7 bus bars (silver), 104 finger grids , Blue anti-reflecting coating (silicon nitride)
Back (+)	5*1.8mm busbars(silver), Back surface field (aluminum)

Temperature Coefficients

TkUoc (%/K)	-0.36
Tklsc (%/K)	0.06
TkPMAX (%/K)	-0.36

Spectral Response(QE)

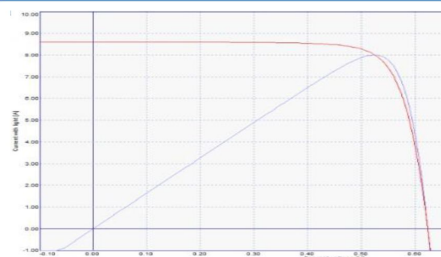


Light Intensity Dependence

Intensity(W/m ²)	Voc	Isc
1000	1.00	1.0
900	0.99	0.9
800	0.99	0.8
600	0.98	0.6
400	0.96	0.4

Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000W/m².

IV Curve



Solder Ability

Peel strength Minimum $>1.73\text{N/mm}$

Result may be different due to different ribbons, soldering methods and parameters.

Electrical Performance

Efficiency Code	Efficiency (%)	Impp (A)	Pmpp (W)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)
SP-157P-190	19.00%	8.20	4.67	0.548	8.513	0.645	9.024
SP-157P-189	18.90%	8.20	4.64	0.547	8.489	0.644	9.003
SP-157P-188	18.80%	8.20	4.62	0.546	8.461	0.643	8.991
SP-157P-187	18.70%	8.20	4.59	0.544	8.440	0.641	8.977
SP-157P-186	18.60%	8.20	4.57	0.543	8.424	0.640	8.958
SP-157P-185	18.50%	8.15	4.55	0.541	8.406	0.638	8.936
SP-157P-184	18.40%	8.15	4.52	0.539	8.382	0.637	8.920
SP-157P-183	18.30%	8.15	4.50	0.538	8.362	0.636	8.907
SP-157P-182	18.20%	8.10	4.47	0.535	8.351	0.634	8.890
SP-157P-181	18.10%	8.10	4.45	0.534	8.333	0.633	8.880

STC (Standard Testing Conditions):1000W/m², AM1.5, 25°C.

Specifications subjects to technical changes and tests SpolarPV reserves the right of final interpretation.